



Contribution ID: 8

Type: **not specified**

Turbulence modeling with CRPropa - summary of recent results

Monday 30 September 2019 09:45 (45 minutes)

In this talk, I will give an overview of last year's activities of the group in Bochum concerning the modeling of cosmic ray propagation in turbulent magnetic fields with CRPropa. Two central projects will be the focus of this work: (1) investigations of different interpolation routines and their influence on the physics results; (2) the connection between the wave vector spectrum and the energy dependence of the diffusion tensor in the context of Galactic cosmic-ray propagation.

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Session Classification: Presentations 1